

CLAIMS

1. A melt-blowing head for polymeric material fibril making system, said melt-blowing head comprising at least a polymeric material inlet channel and a melt-blowing die including a plurality of holes for extruding fibrils therefrom, characterized in that said melt-blowing head further comprises a channel arrangement for distributing said polymeric material from said inlet channel to each said hole of said melt-blowing die.

2. A melt-blowing head according to Claim 1, characterized in that said channel arrangement comprises a tree construction extending from said polymeric material inlet channel and having a plurality of tree branches each of which ends at a respective hole of said die.

3. A melt-blowing head according to Claim 2, characterized in that, at an end of each middle branch of said channel arrangement, said channel arrangement opens into two secondary side branches, having like shape and size, for supplying said polymeric material in a direction of said melt-blowing die.

4. A melt-blowing head according to Claim 1, characterized in that said melt-blowing head comprises (n) path arrangements for conveying said polymeric material from a respective inlet channel to (n) holes of said melt-blowing die, said path arrangements having a like size.

5. A melt-blowing head according to Claim 1, characterized in that said melt-blowing head comprises three different inlets for supplying corresponding polymeric materials to corresponding delivery channel arrangements having said tree construction.

6. A method for making polymeric material fibrils by using a melt-blowing head according to Claim 1, characterized in that said method comprises a step of controlling a flow of at least a polymeric material from an inlet thereof in said melt-blowing head to extruding holes of said fibrils.

7. A method according to Claim 6, characterized in that said at least a polymeric material follows discrete path arrangements of like length between an inlet of said melt-blowing head and all said extruding holes of said fibrils.

8. A method according to Claim 6,

characterized in that said method comprises the steps of supplying said polymeric material with a like heat amount and a like driving power to said melt-blowing die.

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